

Professional Audio Service Bulletin

Mincom
Division **3M**
COMPANY

BULLETIN No. 6

SUBJECT: Modification to Eliminate Power Off Erase Surge
APPLICABLE TO: All M-79 Signal Electronics Printed Circuit Boards

REQUIRED PARTS:

<u>Description</u>	<u>Mincom Catalog No.</u>	<u>Quantity</u>
Transistor - 2N3905	83-1530-2281	One per P C Board
Resistor - 2K 1/4W 2%	83-1520-7203	One per P C Board
Resistor - 30K 1/4W 2%	83-1520-7281	One per P C Board
Resistor - 11K 1/4W 2%	83-1520-0368	One per P C Board

PROCEDURE:

- 1) Remove Power from machine.
- 2) Remove Track 1 Signal Electronics Board from housing.
- 3) Remove R6 and replace with 11K 1/4W 5% resistor.
- 4) Drill 4 holes using a .030/.035 diameter drill as shown in Figure 1. Use Caution not to drill into traces on the component side of the board.
- 5) Cut trace as shown in Figure 1.
- 6) Remove Q7 the 2N3903 and replace with the 2N3905 transistor as shown in Figure 2.
- 7) Install R137 the 2K 1/4W resistor as shown in Figure 2.
- 8) Install R138 the 30K 1/4W resistor as shown in Figure 2 use teflon tubing on the leads.
- 9) Solder component leads to traces shown in Figure 1 and brush clean all joints.

January 1974

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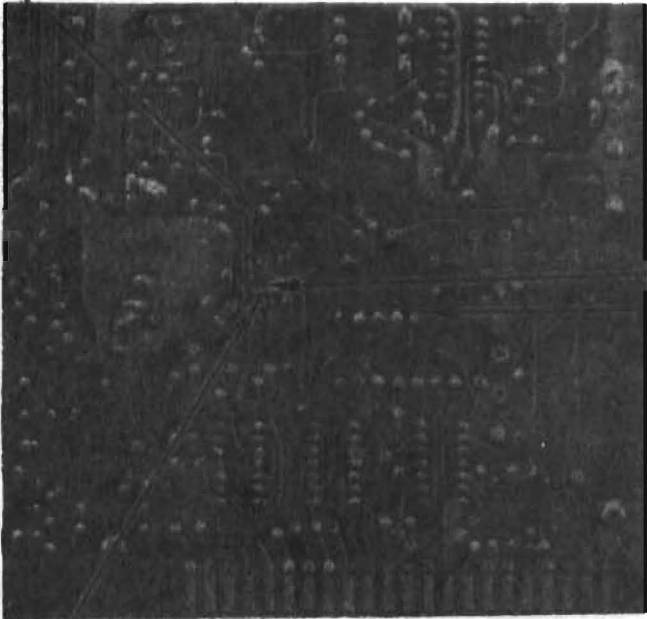
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FIGURE 1

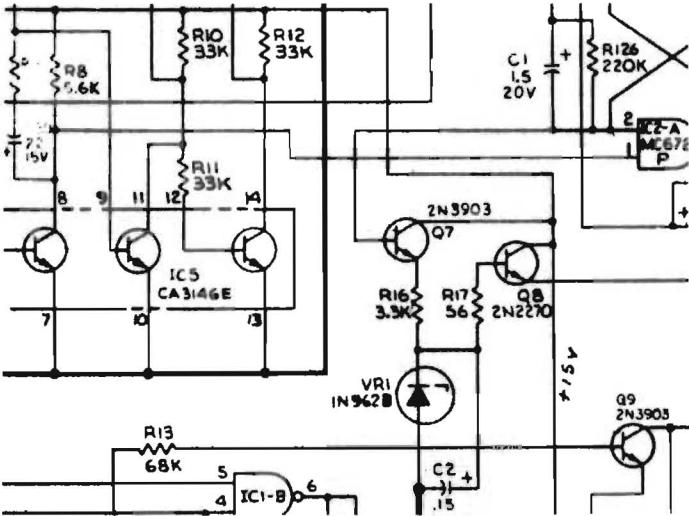
Drill 1 hole



Drill 2 holes

Drill 1 hole

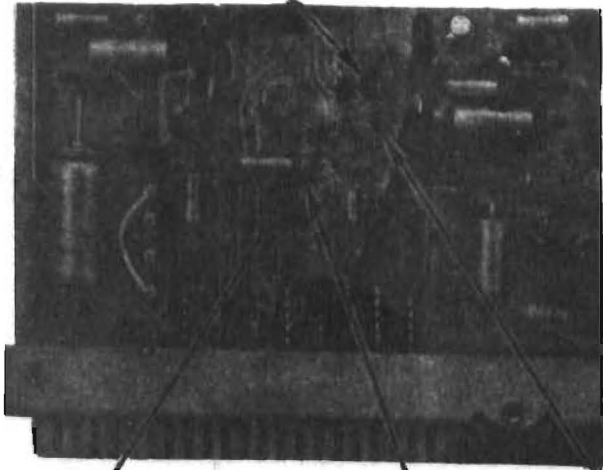
Cut Trace



BEFORE MODIFICATION

FIGURE 2

Q7 2N3905

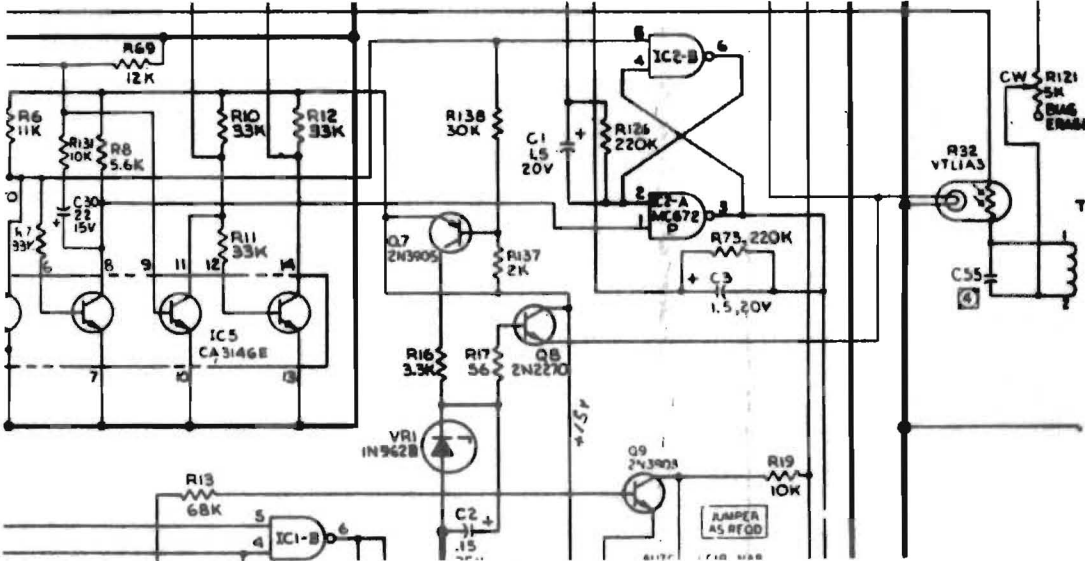


R6
11K 1/4W

R138
30K 1/4W

R137
2K 1/4W

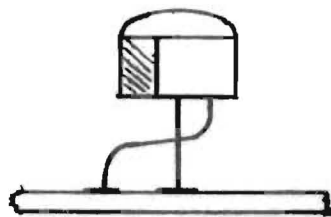
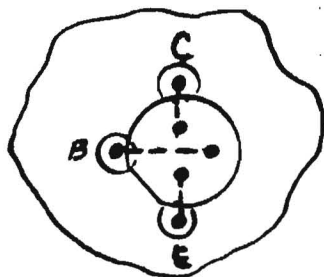
Change the Signal Electronics Schematic in the Manual to show the Modification



AFTER MODIFICATION

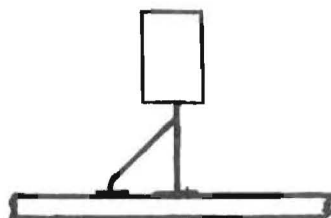
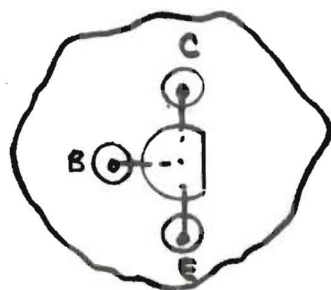
TECH. SERVICE REVISION NOTICE
APPLICABLE TO PRO AUDIO SERVICE BULLETIN #6

Due to a change in lead configuration on the 2N3905 TO18-4 case (round), it will be necessary to install this transistor as shown:



2N3905 TO18-4 Case

The 2N3905 (flat side) TO92 case will still be installed as shown:



2N3905 TO92 Case